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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,597	12/05/2005	Qingming Jimmy Zhong	CN 020022	5022
24737 7590 03/24/2008 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
EXAMINER JERABEK, KELLY L				
ART UNIT 2622		PAPER NUMBER		
MAIL DATE 03/24/2008		DELIVERY MODE PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/537,597

Applicant(s)

ZHONG, QINGMING JIMMY

Examiner

KELLY L. JERABEK

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

This is a first office action in response to application 10/537,597 filed on 12/5/2005 in which claims 1-15 are presented for examination.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 5, 8-10 and 14-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Alten US 2002/0005907.

Re claim 1, Alten discloses a digital camera (100), comprising: a camera body (120) (page 2, paragraphs 20-22); and a display panel (display 144 of remote control

unit 140) detachably connected to the camera body, the display panel (140) including a remote control circuit (control panel 146 of remote control unit 140) that is configured to wirelessly operate the camera (figures 1-2; pages 2-3; paragraphs 29-31).

Re claim 2, Alten further states that the camera body (120) includes a lens (128) and the display panel (display 144 of remote control unit 140) displays contents seen by the lens (128) (page 2, paragraph 24).

Re claim 5, Alten further states that the remote control unit (140) includes a wireless communication interface (142) (page 2, paragraph 20, page 3, paragraphs 31-32).

Re claims 8-9 and 14-15, Alten further states that the camera body (120) includes an image storage device (124) that is configured to record video images (moving images) and still images (page 2, paragraphs 20 and 22).

Re claim 10, Alten discloses a digital camera (100), comprising: a camera body (120) having a lens (126,128) (page 2, paragraphs 20-22); and a display panel (display 144 of remote control unit 140) detachably connected to the camera body (120), the display panel (144) displaying contents seen in the lens (128) and including a remote control circuit (140) that is configured to wirelessly operate the camera, the remote control circuit (140) including a wireless communications interface (142); wherein the

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remote control circuit (140) is operable to record contents seen on the display panel (144) (page 2, paragraphs 20-24 and 29-30).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Alten US 2002/0005907.

Re claim 6, the Alten reference discloses all of the limitations of claim 5 above. Additionally, Alten discloses that the camera (120) and the remote control circuit (140) each include a wireless transceiver (122,142) (page 2, paragraphs 20-21). However, Alten fails to specifically state that the wireless transceivers support Bluetooth, Zigbee, IEEE 802.11 or infrared protocols. The Examiner takes **Official Notice** that it is well known in the digital camera art for cameras to include Bluetooth, Zigbee, IEEE 802.11 or infrared protocols for wireless transmission of data. Therefore, it would have been obvious for one skilled in the art to have been motivated to include a Bluetooth, Zigbee, IEEE 802.11 or infrared protocol in the wireless transceivers disclosed by the Alten

reference. Doing so would provide a means for easily transmitting image data and control signals to and from a camera and ensuring that the signal transmission is successful.

Claims 3-4 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alten US 2002/0005907 in view of Gutta et al. US 2002/0140803.

Re claim 3, the Alten reference discloses all of the limitations of claim 1 above. Alten further states that the remote control circuit (140) controls the camera in order to provide zoom instructions for the camera (page 3, paragraph 31). However, Alten fails to specifically state that the camera further includes a motor attached to the camera body, wherein the remote control circuit controls the motor to adjust the direction and level of the camera body.

Gutta et al. discloses a camera system including a camera body (10), a display panel (30) and a remote control circuit (50) that is configured to operate the camera (10) (page 1, paragraphs 21-22). Gutta further discloses motors (drivers 21-24) attached to the camera body (10), wherein the remote control circuit (50) controls the motors (drivers 21-24) to adjust the direction and level of the camera body (10) (pages 1-2, paragraphs 23 and 26). Therefore, it would have been obvious for one skilled in the art to have been motivated to mount the camera disclosed by Alten in the camera system including a camera mount and camera drivers as disclosed by Gutta. Doing so would

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provide a means for remotely controlling the panning and tilting of a camera in order capture an image of a desired area of view.

Re claim 4, Alten states that the camera body includes a lens (310) and the remote control circuit (140) controls the camera in order to provide zoom instructions for the lens (310) of the camera (page 3, paragraph 31). Furthermore, Gutta states that the camera includes a remote control circuit (50) that controls a motor (focus driver 24) to focus the lens on a desired subject (page 1, paragraph 22).

Re claim 11, the Alten reference discloses all of the limitations of claim 10 above. Alten further states that the remote control circuit (140) controls the camera in order to provide zoom instructions for the camera (page 3, paragraph 31). However, Alten fails to specifically state that the camera further includes a motor attached to the camera body, wherein the remote control circuit controls the motor to adjust the camera body to focus the lens on a desired subject.

Gutta et al. discloses a camera system including a camera body (10), a display panel (30) and a remote control circuit (50) that is configured to operate the camera (10) (page 1, paragraphs 21-22). Gutta further discloses a motor (focus driver 24) attached to the camera body (10), wherein the remote control circuit (50) controls the motor (focus driver 24) to focus the lens of the camera on a desired subject (page 1, paragraph 22). Therefore, it would have been obvious for one skilled in the art to have been motivated to mount the camera disclosed by Alten in the camera system including a

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camera mount and a focus driver for the camera as disclosed by Gutta. Doing so would provide a means for remotely controlling the focus settings of a camera in order capture an image having desired focus characteristics.

Re claim 12, the combination of the Alten and Gutta references discloses all of the limitations of claim 11 above. Additionally, Alten discloses that the camera (120) and the remote control circuit (140) each include a wireless transceiver (122,142) (page 2, paragraphs 20-21). However, Alten fails to specifically state that the wireless transceivers support Bluetooth, Zigbee, IEEE 802.11 or infrared protocols. The Examiner takes **Official Notice** that it is well known in the digital camera art for cameras to include Bluetooth, Zigbee, IEEE 802.11 or infrared protocols for wireless transmission of data. Therefore, it would have been obvious for one skilled in the art to have been motivated to include a Bluetooth, Zigbee, IEEE 802.11 or infrared protocol in the wireless transceivers disclosed by the combination of the Alten and Gutta references. Doing so would provide a means for easily transmitting image data and control signals to and from a camera and ensuring that the signal transmission is successful.

Claims 7 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alten US 2002/0005907 in view of Etoh US 5,729,289.

Re claims 7 and 13, the Alten reference discloses all of the limitations of claims 1 and 10 above. Additionally, Alten discloses a control panel (146) on the display panel (display 144 of control unit 140) for operating the remote control circuit to control the camera body. However, the Alten reference fails to specifically state that the display panel (display 144 of control unit 140) includes a touch screen and control buttons on the touch screen for operating a remote control circuit to control the camera body.

Etoh discloses a digital camera including an LCD display. The digital camera disclosed by Etoh further includes a touch panel (103) arranged on the LCD display (102) for inputting camera control functions to the camera (col. 5, lines 13-20). Therefore, it would have been obvious for one skilled in the art to have been motivated to include a touch screen for inputting camera control functions as disclosed by Etoh in the camera including a remote control display panel for controlling camera operations disclosed by Alten. Doing so would provide a means for allowing a user of a camera to easily input camera control functions by pressing the display of the camera.

Contacts

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelly L. Jerabek whose telephone number is **(571) 272-7312**. The examiner can normally be reached on Monday - Friday (8:00 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached at **(571) 272-7372**. The fax phone number for submitting all Official communications is **(571) 273-7300**. The fax phone number for submitting informal communications such as drafts, proposed amendments, etc., may be faxed directly to the Examiner at **(571) 273-7312**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kelly L. Jerabek/

Examiner, Art Unit 2622

/James M Hannett/

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Primary Examiner, Art Unit 2622